

FORM PTO/SB/08A/B (10-01)
Substitute for PTO-1449A/B

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number

42055/SAH/K415

Application Number

10/020,718

Filing Date

December 14, 2001

Applicant(s)

Phillip J. Kelman, Ph.D.

Group Art Unit

3713

Examiner Name

Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - kind code ² . (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
CH		3,748,754	07/31/1973	LaBerge
CH		4,622,013	11/11/1986	Cerchio
CH		4,772,206	09/20/1988	Kerr et al.
CH		4,979,137	12/18/1990	Gerstenfeld et al.
CH		5,545,044	08/13/1996	Collins et al.
CH		5,577,186	11/19/1996	Mann, II et al.
CH		5,597,312	01/28/1997	Bloom et al.
CH		5,602,982	02/11/1997	Judd et al.
CH		5,870,731	02/09/1999	Trif et al.
CH		5,888,074	03/30/1999	Staplin et al.
CH		6,053,737	04/25/2000	Babbitt et al.
CH		6,077,077	06/20/2000	Geipe
CH		6,077,085	06/20/2000	Parry et al.
CH		6,086,382	07/11/2000	Thomas
CH		6,112,049	08/29/2000	Sonnenfeld
CH		6,125,358	09/26/2000	Hubbell et al.
CH		6,155,834	12/05/2000	New, III
CH		6,164,975	12/26/2000	Weingarden et al.
CH		6,199,030 B1	03/06/2001	Stone
CH		6,201,948 B1	03/13/2001	Cook et al.
CH		6,206,700 B1	03/27/2001	Brown et al.

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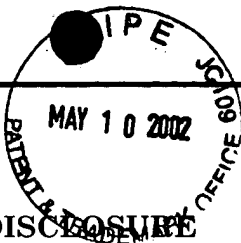
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
CH		EP 0 838 798 A1	04/29/1998	L'Allier et al.

OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		AHISSAR, Merav, et al.; "Task difficulty and the specificity of perceptual learning," Nautre; May 1997; pp. 401-406; Vol. 387
		BENNETT, Robert, et al.; "The effect of training on visual alignment discrimination and grating resolution," Perception & Psychophysics; 1991; pp. 541-546; Vol. 49(6)
		CHASE, William G., et al.; "Perception in Chess," Cognitive Psychology; 1973; pp. 386-403; Vol. 6.4
		FAHLE, M., et al.; "Fast Perceptual Learning in Hyperacuity," Vision Research; 1995; pp. 3003-3013; Vol. 35, No. 21
		GIBSON, Eleanor J.; "Towards a Definition and a Taxonomy of Perceptual Learning," Principles of Perceptual Learning & Development, 1969; pp. 1-9
		GIBSON, Eleanor J.; "A Differentiation Theory of Perceptual Development," Principles of Perceptual Learning & Development; 1969; pp. 75-83
		GIBSON, Eleanor J.; "A Differentiation Theory of Perceptual Development: Principles and Mechanisms," Principles of Perceptual Learning & Development; 1969; pp. 95-117
		GIBSON, Eleanor J., et al.; "Three Trends in Perceptual Development," Principles of Perceptual Learning & Development; 1969; pp. 450-471
		GIBSON, James J., et al.; "Perceptual Learning: Differentiation or Enrichment?," Psychological Review; 1955; pp. 32-41; Vol. 62, No. 1
		GIBSON, Eleanor J., et al.; "A Developmental Study of the Discrimination of Letter-Like Forms," Journal of Comparative and Physiological Psychology; 1962; pp. 897-906; Vol. 55, No. 6
		GOLDSTONE, Robert; "Influences of Categorization on Perceptual Discrimination," Journal of Experimental Psychology: General; 1994; pp. 178-200; Vol. 123, No. 2



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EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country, where published.
		KARNI, Avi, et al.; "The Time Course of Learning a Visual Skill," Nature September 1993, pp. 250-252; Vol. 365, No. 6443
		KELLMAN, Philip J., et al.; "Modeling Perceptual Learning of Abstract of Invariants," Proceedings of the Twenty-First Annual Conference of the Cognitive Science Society; August 1999; pp. 264-269; Lawrence Erlbaum Associates (LEA), Mahwah, New Jersey
		KELLMAN, Philip J., et al.; "Perceptual Learning Modules in Flight Training," Proceedings of the Human Factors and Ergonomics Society 38 th Annual Meeting; 1994; pp. 1183-1187
		KELLMAN, Philip J., et al.; "Training Pilots' Pattern Recognition Skills: Perceptual Learning Modules (PLMs) in Instrument Flight Training," Proceedings of the 2 nd Annual Embry-Riddle Aeronautical University Flight Instructor Conference; April 1999; pp.85-92; Embry-Riddle Aeronautical University Aeronautical Science Department; Daytona Beach, Florida
		LABERGE, David; "Attention and The Measurement of Perceptual Learning," Memory & Cognition; 1973; pp. 268-276, Vol. 1, No. 3
		MERZENICH, Michael M., et al.; "Temporal Processing Deficits of Language-Learning Impaired Children Ameliorated by Training," Science; January 1996; pp. 77-81, Vol. 271 (5245)
		PICK, Anne-D.; "Improvement of Visual and Tactual Form Discrimination," Journal of Experimental Psychology; April 1965; pp. 331-339, Vol. 69, No. 4
		REBER, Arthur S.; "Implicit Learning of Artificial Grammars," Journal of Verbal Learning and Verbal Behavior; 1967; pp. 855-863, Vol. 6
		SCHNEIDER, Walter, et al.; "Controlled and Automatic Human Information Processing: I. Detection, Search, and Attention," Psychological Review; 1977; pp. 1-66; Vol. 84, No. 1
		SHIFFRIN, Richard M., et al.; "Controlled and Automatic Human Information Processing: II. Perceptual Learning, Automatic Attending, and a General Theory," Psychological Review; March 1977; pp. 127-190; Vol. 84, No. 2
		SILVA, Ana B., et al.; "Perceptual Learning in Mathematics: The Algebra-Geometry Connection," Proceedings of the Twenty First Annual Conference of the Cognitive Science Society; August 1999; 6 pages; Lawrence Erlbaum Associates (LEA), Mahwah, New Jersey
		TALLAL, Paula, et al.; "Language Learning Impairment: Integrating Research and Remediation," Scandinavian Journal of Psychology; 1998; pp. 197-199; Vol. 39, No. 3; Blackwell Publishers, U.K. and U.S.A.



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		VOGELS, Rufin, et al.; "The Effect of Practice on the Oblique Effect in Line Orientation Judgments," Vision Research; 1985; pp. 1679-1687; Vol. 25, No. 11
		WISE, Joseph A., et al.; "Perceptual Learning Modules in Mathematics and Science Instruction," Proceedings of the 2000 TechEd Conference, Amsterdam: IOS-Press 2000; 9 pages

EXAMINER SIGNATURE	<i>Chanda L. Harris</i>	DATE CONSIDERED	<i>6/2/03</i>
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Applicant(s)

Philip J. Kellman, Ph.D.

Group Art Unit

3714

Examiner Name

Chanda L. Harris

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - kind code ² . (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
CH	1	5,595,488	01-21-1997	Gozlan et al.
CH	2	5,618,182	04-08-1997	Thomas
CH	3	5,727,950	03-17-1998	Cook et al.
CH	4	5,911,581	06-15-1999	Reynolds et al.
CH	5	6,022,221	02-08-2000	Boon
CH	6	US 6,231,344 B1	05-15-2001	Merzenich et al.
CH	7	US 6,290,504 B1	09-18-2001	Benitz et al.
CH	8	US 6,328,569 B1	12-11-2001	Jenkins et al.
CH	9	US 6,419,496 B1	07-16-2002	Vaughan, Jr.
CH	10	US 6,422,869 B1	07-23-2002	Nagarajan et al.
CH	11	US 6,457,975 B1	10-01-2002	Miranda et al.
CH	12	US 6,523,007 B2	02-18-2003	Layng et al.
CH	13	US 6,527,556 B1	03-04-2003	Koskinen
CH	14	US 2002/0090600 A1	07-11-2002	Grant
CH	15	US 2002/0160347 A1	10-31-2002	Wallace et al.
CH	16	US 2002/0192624 A1	12-19-2002	Darby et al.
CH	17	US 2003/0027122 A1	02-06-2003	Stansvik

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